

AMENDMENTS TO THE SPECIFICATION

Please replace Table 1 on page 22 of the specification with the following rewritten paragraph:

TABLE 1
DNA probes used

Probe#	Name	Sequence
1	L18 (Lac operator, 18bp)	5'ATTGTGAGCGCTCACAT3' (SEQ ID NO:6) 3'TAACACTCGCGAGTGTAT5' (<u>SEQ ID NO:38</u>)
2	L31 (Lac operator, 31bp)	5'cttctaATTGTGAGCGCTCACAAAtaaaaag3' (SEQ ID NO:7) 3'gaagatTAACACTCGCGAGTGTActtttc5' (SEQ ID NO:8)
3	NI16 (Native insulator, 16bp)	5'GAATATATATATATTTC3' (SEQ ID NO:9) 3'CTTATATATATATAAG5' (SEQ ID NO:10)
4	NI29 (Native insulator, 29bp)	5'cttctaGAATATATATATTCAaaaaag3' (SEQ ID NO:11) 3'gaagatCTTATATATATAAGCttttc5' (SEQ ID NO:12)
5	NIm (Naturally mutated insulator, 29bp)	5'cttctaGAATATATATGTATATTCAaaaaag3' (SEQ ID NO:13) 3'gaagatCTTATATACATATAAGCttttc5' (SEQ ID NO:14)
6	M1 (Mutated insulator, 29bp)	5'cttcta <u>AC</u> CTATATATATATTCAaaaaag3' (SEQ ID NO:15) 3'gaagat <u>TGG</u> ATATATATAAGCttttc5' (SEQ ID NO:16)
7	M2 (Mutated insulator, 29bp)	5'cttctaGAAG <u>CG</u> AATATATTCAaaaaag3' (SEQ ID NO:17) 3'gaagatCTTC <u>CG</u> CTATATATAAGCttttc5' (SEQ ID NO:18)
8	M3 (Mutated insulator, 29bp)	5'cttctaGAATAT <u>CG</u> CGATATTCAaaaaag3' (SEQ ID NO:19) 3'gaagatCTTAT <u>AG</u> CGCTATAAGCttttc5' (SEQ ID NO:20)
9	M4 (Mutated insulator, 29bp)	5'cttctaGAATAT <u>CT</u> ATATATTCAaaaaag3' (SEQ ID NO:21) 3'gaagatCTTAT <u>AG</u> ATATATAAGCttttc5' (SEQ ID NO:22)
10	M5 (Mutated insulator, 29bp)	5'cttctaGAATAT <u>AG</u> ATATATTCAaaaaag3' (SEQ ID NO:23) 3'gaagatCTTATAT <u>CT</u> ATATAAGCttttc5' (SEQ ID NO:24)
11	M6 (Mutated insulator, 29bp)	5'cttctaGAATATAT <u>CT</u> ATATTCAaaaaag3' (SEQ ID NO:25) 3'gaagatCTTATAT <u>AG</u> ATATAAGCttttc5' (SEQ ID NO:26)
12	M7 (Mutated insulator, 29bp)	5'cttctaGAATATAT <u>AG</u> ATATTCAaaaaag3' (SEQ ID NO:27) 3'gaagatCTTATATAT <u>CT</u> ATAAGCttttc5' (SEQ ID NO:28)

Please insert after page 28, but before the claims, the attached paper Sequence Listing in the specification.

Attachments: Sequence Listing (paper copy)

Sequence Listing (computer readable disk copy)